



"Kiddio: Food Fight" video game for parents, Jul-12
 "Lets Move!" Initiative, Mar-8
 metabolites in blood serum, Apr-10
 National Food and Nutrient Analysis Program, Mar-14
 Nutrient Data Laboratory, Mar-9
 sodium intake, Mar 16, 22
 supplement intake, Mar-16
 techniques to analyze foods, supplements, Apr-6
 "What We Eat in America" survey, Mar-2, 8, 22
 Imidacloprid and colony collapse disorder, Jul-4
 Immunocrit test for piglet, cow colostrum intake, Oct-18
 Insects, monitor to study feeding behavior of, May/Jun-20
 Insect-transmitted diseases, protecting troops from, Nov/Dec-2, 4
 IR-4's assistance with pesticide registration, Nov/Dec-2, 4
 Irrigation
 copper footbath wastewater use for, Sep-22
 deficit, in peaches, Nov/Dec-16
 modifying sprinkler heads to better manage, May/Jun-8
 Kauralexins in corn, Jan-4
 Kudzu bug, *Megacopta cribraria*, threat to soybean, May/Jun-22
 Laurel wilt disease in avocado, Oct-8
 Leafminer, oxygenated phosphine fumigation for, Jul-10
 Leishmaniasis, controlling sand fly vector of, Nov/Dec-2
 Leptospirosis, spread of, vaccine for, Jan-10
 Lettuce, oxygenated phosphine fumigation for aphid, Jul-10
 Livestock, alternatives to antibiotic use in, May/Jun-2, 4
 Livestock waste management, Nov/Dec-21
 Mealybug, oxygenated phosphine fumigation for, Jul-10
 Metabolomics, Apr-10
 Metagenomics, Apr-18
 Milkweed weevil, formula for lure for, Oct-17
 Monarch butterfly, preserving food source for, Oct-17
 Mosquito, natural compounds that repel, Nov/Dec-4
 Nanotechnology, Apr-4, 14
 Napiergrass, potential as biofuel crop, Sep-10
 National Agricultural Library, historical resources for researchers, Aug-12
 National Nutrient Database for Standard Reference, Mar-8, 9
 Nematodes
 associations with bacteria, Aug-18
 biocontrol potential of, Aug-18
 Panagrellus species harms pet tarantulas, Aug-18
 root knot and reniform in cotton, Jul-16
 Nitrate loss from crop fields, Feb-17, 18
 Nitrogen, new system captures from animal waste, Nov/Dec-21
 No-till
 benefits to soil and air quality, Jul-19
 effect on snow accumulation, soil water, Aug-8
 versus conventional till, Aug-2, 8
 Nosema and colony collapse disorder, Jul-4, 7
P-S
 Papaya, as a biocontrol banker plant, Sep-20
 Peach, deficit irrigation of, Nov/Dec-16
 Pecan shell biochar adsorbs copper, Sep-22
 Pepper, ornamental, as biocontrol banker plant, Sep-20
 Pest control
 apps for spraying insecticides, Nov/Dec-15
 ARS innovations in, Jul-2

biocontrol methods in greenhouses, Sep-20
 oxygenated phosphine fumigation for, Jul-10
 Pesticides
 possible role in colony collapse disorder, Jul-4, 7
 turf cultivation and runoff of, Oct-10
 Peter Wilcox potato, carotenoid content of, Oct-4
 Phosphorus loss from crop fields, Feb-17
 Phytochemicals, role in plant defenses, benefits to humans, Jan-2
Phytophthora late blight, potatoes that resist, Oct-4
 Phytoremediation of selenium in soils, Jan-12
 Plant breeding
 crossing tetraploid and diploid cotton, Jul-16
 genomic selection approach to, Apr-2, 13
 statistical approach for, Apr-13
 Plant diseases, proteins in aphids key to virus transmission, Apr-12
 Plant explorer research records at National Agricultural Library, Aug-12
 Poinsettias, insect biocontrol on, Sep-20
 Pork
 method predicts tenderness, color stability of, Aug-16
 updated USDA nutrient data on, Jan-20
 Potato psyllid, methods for control of, Feb-8
 Potato
 breeding for higher carotenoids levels, Oct-4
 disease resistance in, Oct-4
 improving cold storage of, Oct-4
 zebra chip disease in, Feb-8
 Poultry
 feeding yolk antibodies to chicks fights coccidiosis, Jul-9
 metagenomics identifies viruses in gut of, Apr-18
 new bacteriophage identified in, Apr-18
 new strategies to boost immunity in, May/Jun-2, 4
 PPO enzyme
 role in herbicide resistance in plants, Aug-20
 symptoms of disruption of in humans, Aug-20, 21
 Prairie reconstruction and water quality, Feb-17
 Prickly pear cactus for bioremediation, Jan-12
 Rangeland, forage kochia grown on, Jan-22
 Rangeland restoration
 decision-making model for, Feb-10
 with native plants, Jan-14
 Redbay ambrosia beetle, attractants tested for, Oct-8
 Red flour beetle control in stored-grain facilities, Jul-2
 Revised Universal Soil Loss Equation update (RUSLE2) Apr-20
 Roundworms, see Nematodes
 Russian wheat aphid, DNA barcoding to identify, Apr-16
Salmonella
 chlorate and nitro compounds kill, May/Jun-4
 detecting, differentiating with SERS, Apr-8
 Sand fly, control of for deployed troops, Nov/Dec-4
 Satellite monitoring, agricultural uses of, Feb-2, 4
 Sea lions as maintenance hosts of leptospirosis, Jan-10
 Selenomethionine supplement for sheep, Feb-14
 Serum Metabolome database of metabolites in human blood serum, Apr-10
 Sheep, selenomethionine supplement for, Feb-14
 Soil
 copper buildup in from dairy cow footbaths, Sep-22
 effects of sprinkler irrigation on, May/Jun-8, 9

manure compost to amend mine-damaged, Oct-16
 phytoremediation with prickly pear cactus, Jan-12
 Sorghum, Sep-10, 12; Oct-14
 Southern pine beetle, *Dendroctonus frontalis*, Aug-18
 Soybeans, lines with superior flood tolerance, Jul-20
Staphylococcus aureus, endolysins that kill methicillin-resistant, May/Jun-2, 4
 Sterile insect technique for Mexican fruit fly, Sep-18
 Strawberry
 Botrytis and anthracnose in, Oct-4
 longer growing season with low tunnels, Oct-4
Streptomyces scab, potatoes that resist, Oct-4
 Sugar beet
 curly top virus resistance, Jan-18
 irrigation management to protect seedlings, May/Jun-8
 sugar loss linked to rhizomania, Jan-18
 Sunn hemp, energy content for biofuel, Jan-17
 Surface-enhanced Raman scattering detects pathogens, Apr-4, 8
 Swine
 bone development study in piglets, Jan-8
 immunocrit test for piglet colostrum intake, Oct-18
 Switchgrass
 effects of *Comgrass* gene inserted into, Sep-8
 for revegetating mine-damaged soils, Oct-16

T-Z

Thyme, thymol from as antifungal for *Aspergillus*, Oct-12
 Tomatoes, insect biocontrol on, Sep-20
 Tree nuts
 beneficial yeast controls *Aspergillus flavus* on, Jul-15
 plant compounds as antifungals for, Oct-12
 Turfgrass, DNA tool distinguishes bermudagrass cultivars, May/Jun-23
 Ug99 master switch genes, Oct-2
 USDA
 150th anniversary, May/Jun-10
 agricultural library established, May/Jun-19
 breeding, improving livestock and crops, May/Jun-17
 Regional Biomass Research Centers, Sep-2, 4
 Varroa mites and colony collapse disorder, Jul-4, 7
 Viruses
 identifying in poultry, Apr-18
 Rift Valley fever, detecting, Apr-4
 West Nile, detecting, Apr-4
 Vitamin D
 analyzing amounts in milk, orange juice, Mar-4
 updated Dietary Reference Intakes for, Mar-5, 6, 12
 Wastewater, new system captures ammonia in, Nov/Dec-21
 Water availability, satellite monitoring of, Feb-2, 4
 Water quality
 core cultivation of turfgrass and, Oct-10
 origin of *E. coli* in Santa Ana River, Nov/Dec-18
 prairie reconstruction and, Feb-17
 wood chips remove nitrates from field leachate, Feb-18
 Wheat, statistical approach used in breeding, Apr-13
 Wheat, winter, effect of no-till in Palouse region, Aug-8
 Zealexins in corn, Jan-4
ZmPep1 peptide in corn fights fungal attack, Jan-4
 Zoonotic diseases, leptospirosis, Jan-10

